

FIG. 1
TRANSITION FROM DUCT/CONDUIT WITH FLARED GUARD TYPICAL (SEE NOTE 1)

- NOTES:**
- TRANSITIONS AND DIMENSIONS SHOWN ARE TYPICAL. FOR PARTS, DETAILS AND DIMENSIONS ABOVE AND BLOW GRADE SEE DU5-301-0500, DU5-302-0500 AND DU5-303-0500.
 - FOR STRAIGHT GUARD APPLICATIONS SEE DU5-303-0500.
 - DEPTH OF BURIAL IS MINIMUM 60cm ON PRIVATE PROPERTY OR 90cm ON ROAD ALLOWANCE. ROAD AUTHORITY APPROVAL REQUIRED WHEN TRENCHING ON ROAD ALLOWANCE. MECHANICAL PROTECTION (CONCRETE ENCASEMENT) REQUIRED FOR REDUCED DEPTH OR CLEARANCES. SEE TABLE 3 IN SECTION 6.
 - ALSO APPLICABLE TO POLY-PHASE SYSTEMS, SINGLE PHASE SHOWN FOR DRAWING CLARITY.
 - DRAWING REPRESENTS A TYPICAL INSTALLATION ONLY. CUSTOMER OWNED PLANT TO BE CONSTRUCTED BY THE CUSTOMER AND INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY (ESA). DEVIATIONS MUST MEET HYDRO ONE REQUIREMENTS PER THIS STANDARD.
 - UNDERGROUND OR ENCASED DUCT COMPONENTS MAY BE SUBSTITUTED WITH FLEXIBLE PVC CONDUIT IF REQUIRED. SEE SECTION 16 - CONDUITS & FITTINGS.
 - CONCRETE ENCASEMENT OF THE TRANSITION SWEEP(S) IS RECOMMENDED IF INSTALLED PRIOR TO THE CABLE PULL. PULLING TENSIONS AND MAXIMUM BENDS PER SECTION 7.
 - FOR 4" DB2 TO 4" FLEX USE PART# 9 & 12. FOR RIGID PVC TO FLEX USE PART# 12 ONLY.

ALL DIMENSIONS IN CENTIMETRES UNLESS OTHERWISE STATED

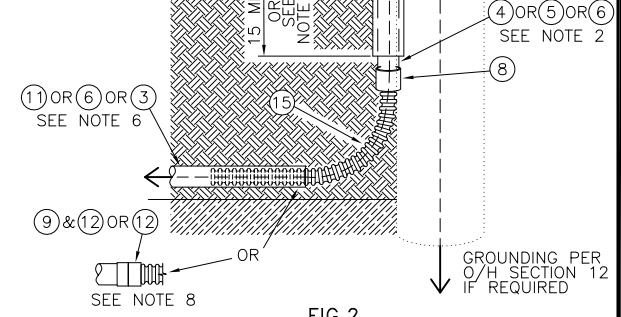


FIG. 2
TRANSITION FROM DUCT/CONDUIT WITH STRAIGHT GUARD (0-600V) ONLY TYPICAL (SEE NOTE 2)

PARTS LIST

PART No.	MM No.	DESCRIPTION	QTY.	
			FIG. 1	FIG. 2
1	MM#	CABLE UNDERGROUND, UP TO 46kV	A/R	A/R
2	30001989	BOLT, LAG, HEX., 1/4", 2-1/2" LONG, GALV.	A/R	A/R
3	30007710	DUCT, 4" DIA, 10' LONG, DB2, PVC	A/R	A/R
4	30007542	CONDUIT, 2" X 10", BELL END, SCHEDULE 40, PVC	A/R	A/R
5	30007544	CONDUIT, 3" X 10", BELL END, SCHEDULE 40, PVC	A/R	A/R
6	30007583	CONDUIT, 4" X 10", BELL END, SCHEDULE 40, PVC	A/R	A/R
7	MM#	SWEEP, 4", 90°, RIGID PVC, SCHEDULE 40	A/R	A/R
8	MM#	COUPLER KIT, FLEX TO RIGID - SEE NOTE 2	A/R	A/R
9	MM#	COUPLER, ADAPTER, SCHEDULE 40 TO DB2	A/R	A/R
10	MM#	GUARD, STRAIGHT	N/A	A/R
11	30031917	CONDUIT, FLEX, 4"	A/R	A/R
12	30031918	COUPLER KIT 4", FLEX TO 4" RIGID	A/R	A/R
13	MM#	STRAP, CONDUIT	A/R	A/R
14	MM#	GUARD, CABLE, FLARED	A/R	N/A
15	MM#	CONDUIT, FLEX, 2" OR 3" OR 4" - SEE NOTE 2	A/R	A/R

MM# = REFER TO SECTION 16 ONLY | A/R = AS REQUIRED
N/A = NOT APPLICABLE

01	SEPT 2023	ORIGINAL DU-08-306-0500-R1 IS NOW SUPERSEDED BY THIS NEW DRAWING/REVISION. UPDATED DRAWING TITLE AND CONTENT TO REFERENCE TRANSITION OF CABLES IN CONTINUOUS CONDUIT SYSTEM TO POLE. CHANGED TO SECTION 5. GENERAL UPDATES. UPDATED NOTES 1 & 2 AND FIGURES TITLES. ADDED NOTE 8. REMOVED PART# 8 AND ADDED NEW PART#S 8 & 15. HANGED TO NEW DWG. & NUMBERING FORMAT.	PC	MM	MM	MM
Rev No.	Date	Revision Particulars	dwn	ckd	des	app

Drawn By: PC	Checked By: M.MATEVSKI	Designed By: M.MATEVSKI	Design Approved By: M.MATEVSKI P.Eng.
Scale: N.T.S.	Date: (yyyy/mm/dd) 2020/03/19	Pole ID:	



Title: TRANSITION OF CABLES IN CONTINUOUS CONDUIT SYSTEM TRENCH TO POLE, UP TO 44kV

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Drawing No. DU5-308-0500	Rev. No. 01
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TITLE BLOCK REV 02 - AUGUST 2014

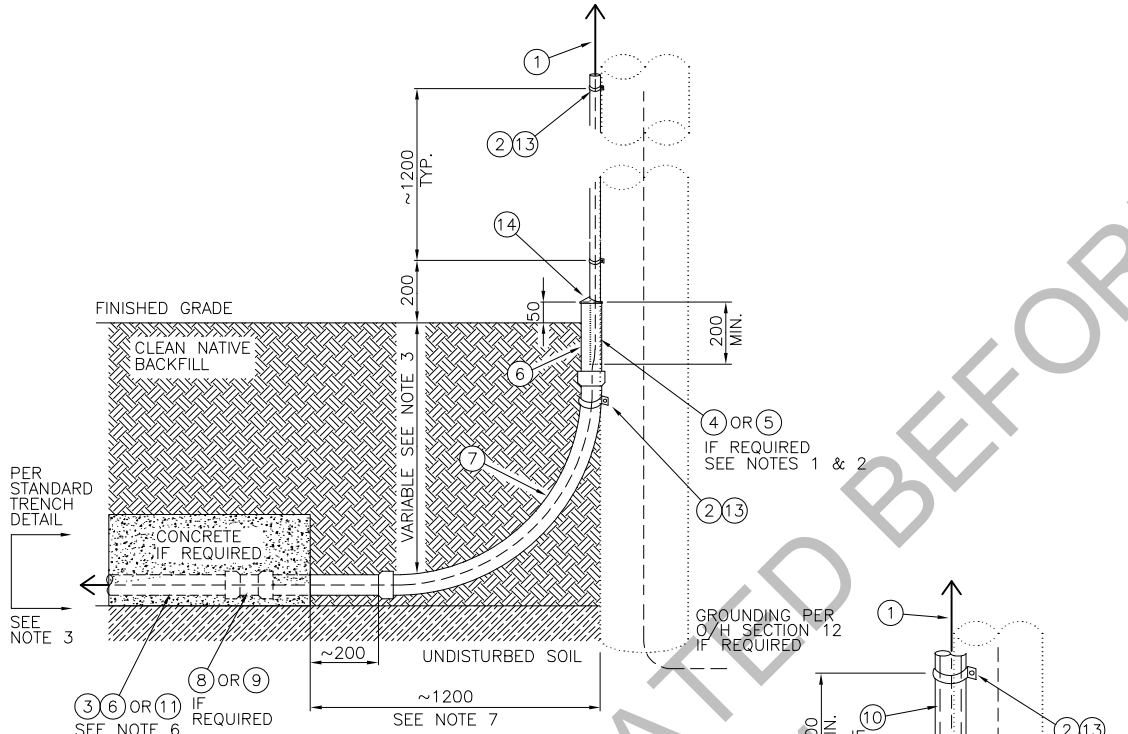


FIG. 1
TRANSITION FROM DUCT/CONDUIT
WITH FLARED GUARD

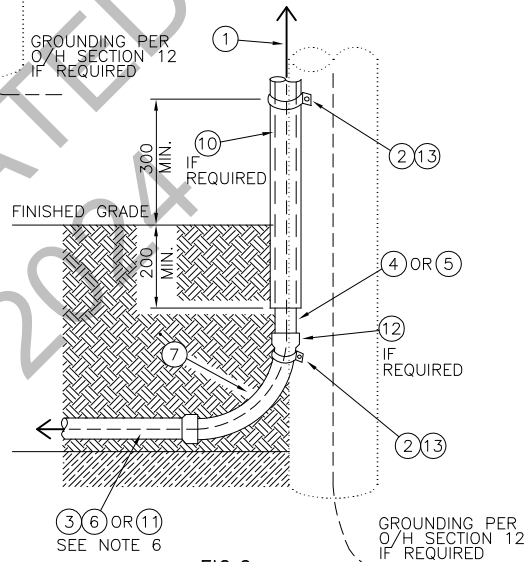


FIG. 2
TRANSITION WITH STRAIGHT GUARD
OVER CONTINUOUS PVC CONDUIT

- NOTES:**
- FOR FLARED GUARD APPLICATIONS SEE DU-08-302-0500.
 - FOR STRAIGHT GUARD APPLICATIONS SEE DU-08-302.1-0500 OR DU-08-302.2-0500.
 - DEPTH OF BURIAL IS MINIMUM 600mm ON PRIVATE PROPERTY OR 900mm ON ROAD ALLOWANCE. ROAD AUTHORITY APPROVAL REQUIRED WHEN TRENCHING ON ROAD ALLOWANCE. MECHANICAL PROTECTION (CONCRETE ENCASEMENT) REQUIRED FOR REDUCED DEPTH OR CLEARANCES. SEE TABLE 1 IN SECTION 3D.
 - ALSO APPLICABLE TO POLY-PHASE SYSTEMS, SINGLE PHASE SHOWN FOR DRAWING CLARITY.
 - DRAWING REPRESENTS A TYPICAL INSTALLATION ONLY. CUSTOMER OWNED PLANT TO BE CONSTRUCTED BY THE CUSTOMER AND INSPECTED BY THE ELECTRICAL SAFETY AUTHORITY (ESA). DEVIATIONS MUST MEET HYDRO ONE REQUIREMENTS PER THIS STANDARD.
 - UNDERGROUND OR ENCASED DUCT COMPONENTS MAY BE SUBSTITUTED WITH FLEXIBLE PVC CONDUIT IF REQUIRED. SEE SECTION 16 - CONDUITS & FITTINGS.
 - CONCRETE ENCASEMENT OF THE TRANSITION ELBOW(S) IS RECOMMENDED IF INSTALLED PRIOR TO THE CABLE PULL. PULLING TENSIONS AND MAXIMUM BENDS PER SECTION 13.

ALL DIMENSIONS IN MILLIMETRES
UNLESS OTHERWISE STATED

PARTS LIST			
PART No.	MM No.	DESCRIPTION	QTY.
			FIG. 1 FIG. 2
1	MM#	CABLE UNDERGROUND, UP TO 46kV	A/R A/R
2	30001989	BOLT, LAG, CONDUIT STRAP	A/R A/R
3	30007710	DUCT, 4", DB2, PVC	A/R A/R
4	30007542	CONDUIT, 2", RIGID PVC	A/R A/R
5	30007544	CONDUIT, 3", RIGID PVC	A/R A/R
6	30007583	CONDUIT, 4", RIGID PVC	A/R A/R
7	MM#	ELBOW, 90°, RIGID PVC, SCHEDULE 40	A/R A/R
8	MM#	COUPLER, STRAIGHT, RIGID PVC, SCHEDULE 40	A/R A/R
9	MM#	COUPLER, ADAPTER, SCHEDULE 40 TO DB-II	A/R A/R
10	MM#	GUARD, STRAIGHT	N/A A/R
11	MM#	CONDUIT, FLEX	A/R A/R
12	MM#	COUPLER KIT, FLEX TO RIGID	A/R A/R
13	MM#	STRAP, CONDUIT	A/R A/R
14	MM#	GUARD, CABLE, FLARED	A/R N/A

MM# = REFER TO SECTION 16 ONLY | A/R = AS REQUIRED
N/A = NOT APPLICABLE

Rev No.	Date	Revision Particulars	dwn	ckd	des	app
01	NOV 2017	GENERAL UPDATES. CHANGED TO NEW DWG. & NUMBERING FORMAT. FOR PREVIOUS REVISIONS REFER TO DU-08-306-RO.	SO	PC	AS	JB

Drawn By: LS	Checked By:	Designed By:	Design Approved By:
Scale: N.T.S.	Date: 2014/07/18	Pole ID:	

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